

AMENDMENTS TO THE SPECIFICATION:

Please insert the following heading on page 1, between lines 2 and 3:

--FIELD OF THE INVENTION--

Please insert the following heading on page 1, between lines 9 and 10:

--BACKGROUND OF THE INVENTION--

Please insert the following heading on page 3, between lines 21 and 22:

--SUMMARY OF THE INVENTION--

Please cancel the paragraph beginning on page 3, line 27, to page 4, line 3 and add the following new paragraph:

-- Our investigations led us to the conclusion that diseases due to circulatory deterioration can be effectively cured, or in a bad situation at least alleviated, by irradiating the patient's body with sound waves of frequencies chosen specifically. For this purpose sound waves with frequencies preferably between 1 Hz and 100,000 Hz, i.e. sound waves ranging from below the audible domain (i.e. infrasounds) through the audible domain up to the domain of ultrasounds are appropriate, wherein the majority of the sound waves ~~is~~ are closer to the threshold frequency (about 16 Hz) of the audible spectrum by their

application.--

Please cancel the paragraph beginning on page 5, line 9, and add the following new paragraph:

-- Preferably, the treating head is an electromagnetic or a piezoelectric tool and the treating head is equipped with a thermal sensor for controlling the heating device. Furthermore, the apparatus according to the present invention is also equipped with a ~~pulsimeter~~ pulse strength meter for measuring the strength of the patient's pulse and preferably it has a visual display unit connected to the electronics.--

Please insert the following heading on page 5, between lines 20 and 21:

--BRIEF DESCRIPTION OF THE DRAWINGS--

Please insert the following heading on page 5, between lines 27 and 28:

--DETAILED DESCRIPTION OF THE PREFERRED EMBODIMENTS--

Please cancel the paragraph beginning on page 8, line 7, and add the following new paragraph:

--A further additional member of the apparatus 10 is a ~~pulsimeter~~ pulse strength meter 14 for measuring the pulse

strength ~~of the pulse~~ of the patient under treatment. Values measured by the ~~pulsimeter~~ pulse strength meter 14 connected to the electronics 12 can be displayed on ~~the pulsimeter's 14~~ its own display or on the visual display unit 13 of the apparatus 10 if the ~~pulsimeter~~ pulse strength meter 14 lacks for that. Furthermore, measured values of the pulse strength ~~of the pulse~~, if desired, can be used for an automated control of the treatments carried out by the Parasound waves or optionally in combination with a hot chamber treatment.--

Please cancel the paragraph beginning on page 11, line 3, and add the following new paragraph:

--Before starting on the treatment the number and the type of the Parasound units (i.e. the sweepover in time and frequency and the time and frequency ranges swept over) optimally required for treating the actual disease due to circulatory deterioration, specifically vasoconstriction are determined. Furthermore, at this stage it is also decided whether or not an additional hot chamber treatment should be applied. If a simultaneous hot chamber treatment is applied, after the patient had been at rest, eg. had laid on the treating bed, the resilient tube-like thermal blanket 18 is pulled on the body portion 22 to be treated, the ~~pulsimeter~~ pulse strength meter 14 is attached to the patient in a suitable location and an electronic thermometer 16 is arranged on the body portion 22 to be treated. After the

treatment unit had been chosen, parameters of the treating course (performed by the Parasound waves) and further in case of need the temperature of the heating device 17, its prospective change in time and the operation length of the heating device 17 are input into the apparatus 10 by means of the control panel 11. As a next step, the surface of the body portion 22 to be treated that receives the treating head 15 is thickly coated with the coupling medium 20 in gelous state, then the treating head 15 is accommodated to the body portion 22 in the given location without an air-gap and firmly affixed in this position. Then within the framework of the treating cycle sound waves of desired frequency and power are introduced by means of the apparatus 10 into the body portion 22 to be treated via running off the treating course set earlier that results in the massage of the vessel walls as already mentioned.--